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U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/530,844

Susanne Leonhartsberger

Leonhartsberger

INTERNATIONAL APPLICATION NO.

PCT/EP03/11486

I.A. FILING DATE

PRIORITY DATE

10/16/2003

10/24/2002

25889 WILLIAM COLLARD COLLARD & ROE, P.C. 1077 NORTHERN BOULEVARD ROSLYN, NY 11576

**CONFIRMATION NO. 3625** 371 FORMALITIES LETTER

\*OC000000017620616\*

Date Mailed: 12/12/2005

### NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

• A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY, DOCKET NO.
10/530,844	PCT/EP03/11486	Leonhartsberger

FORM PCT/DO/EO/922 (371 Formalities Notice)

## STIC Biotechnology Systems Branch

# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10 S30, 844 PGT9-00

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street. Alexandria, VA 22314

Revised 01/24/05

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,844

DATE: 04/19/2005 TIME: 08:46:17

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04192005\J530844.raw

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5 <110> APPLICANT: Consortium for elektrochemische Industrie GmbH
      9 <120> TITLE OF INVENTION: Feedback resistente Homoserin-Transsuccinylasen mit
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     11
     15 <130> FILE REFERENCE: Co10221
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C--> 20 <141> CURRENT FILING DATE: 2005-04-08
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     28 <170> SOFTWARE: PatentIn Ver. 2.0
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     42 <220> FEATURE:
     44 <221> NAME/KEY: CDS
     46 <222> LOCATION: (1)..(930)
     50 <300> PUBLICATION INFORMATION:
     52 <301> AUTHORs: Blattner, F. R.
     54 <302> TITLE: The complete genome sequence of Escherichia coli K-12.
                                                                MANdakry, iFC308
is shown, than
ttg cgt 48
     56 <303> JOURNAL: Science
     58 <304> VOLUME: 277
     60 <305> ISSUE: 533
     62 <306> PAGES: 1453-1474-
     64 <307> DATE: 1997
     66 308 PATABASE ACCESSION NO: Blattner, F.R
     70 <3000 PUBLICATION INFORMATION I
     74 Met Pro Ile Arg Val Pro Asp Glu Leu Pro Ala Val Asn Phe Leu Arg
     80 gaa gaa aac gtc ttt gtg atg aca act tct cgt gcg tct ggt cag gaa
     82 Glu Glu Asn Val Phe Val Met Thr Thr Ser Arg Ala Ser Gly Gln Glu
                     20
                                         25
     88 att egt eea ett aag gtt etg ate ett aac etg atg eeg aag aag att
                                                                          144
     90 Ile Arg Pro Leu Lys Val Leu Ile Leu Asn Leu Met Pro Lys Lys Ile
                                     40
     96 gaa act gaa aat cag ttt ctg cgc ctg ctt tca aac tca cct ttg cag
                                                                          192
     98 Glu Thr Glu Asn Gln Phe Leu Arg Leu Leu Ser Asn Ser Pro Leu Gln
                                  55
     104 gtc gat att cag ctg ttg cgc atc gat tcc cgt gaa tcg cgc aac acg
                                                                           240
     106 Val Asp Ile Gln Leu Leu Arg Ile Asp Ser Arg Glu Ser Arg Asn Thr
     108 65
                              70
     112 ccc gca gag cat ctg aac aac ttc tac tgt aac ttt gaa gat att cag
                                                                           288
     114 Pro Ala Glu His Leu Asn Asn Phe Tyr Cys Asn Phe Glu Asp Ile Gln
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,844

DATE: 04/19/2005 TIME: 08:46:17

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Output Set: N:\CRF4\04192005\J530844.raw

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	122	Asp	Gln	Asn	Phe	Asp	Gly	Leu	Ile	Val	Thr	Gly	Ala	Pro	Leu	Gly	Leu	
	124				100					105	*				110			
														aaa				384
	130	Val	Glu	Phe	Asn	Asp	Val	Ala	Tyr	Trp	Pro	Gln	Ile	Lys	Gln	Val	Leu	
	132			115					120					125				
	136	gag	tgg	tcg	aaa	gat	cac	gtc	acc	tcg	acg	ctg	ttt	gtc	tgc	tgg	gcg	432
		Glu		Ser	Lys	Asp	His		Thr	Ser	Thr	Leu		Val	Cys	Trp	Ala	
	140		130					135					140					
	144	gta	cag	gcc	gcg	ctc	aat	atc	ctc	tac	ggc	att	cct	aag	caa	act	cgc	480
			Gln	Ala	Ala	Leu		He	Leu	Tyr	Gly		Pro	Lys	GIn	Thr		
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														Leu				
	180		210					215					220					
	184	aaa	gat	aag	cgc	att	gcc	ttt	gtg	acg	ggc	cat	ccc	gaa	tat	gat	gcg	720
	186	Lys	Asp	Lys	Arg	Ile	Ala	Phe	Val	Thr	Gly		Pro	Glu	Tyr	Asp		
		225					230			<i>~</i> -		235					240	
														gcc				768
		Gln	Thr	Leu	Ala		Glu	Phe	Phe	Arg		Val	Glu	Ala	GTA		Asp	
	196					245					250					255		016
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RAW\_SEQUENCE LISTING DATE: 04/19/2005

PATENT APPLICATION: US/10/530,844 TIME: 08:46:17

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04192005\J530844.raw

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258 Ile Arg Pro Leu Lys Val Leu Ile Leu Asn Leu Met Pro Lys Lys Ile
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264 Glu Thr Glu Asn Gln Phe Leu Arg Leu Leu Ser Asn Ser Pro Leu Gln
270 Val Asp Ile Gln Leu Leu Arg Ile Asp Ser Arg Glu Ser Arg Asn Thr
276 Pro Ala Glu His Leu Asn Asn Phe Tyr Cys Asn Phe Glu Asp Ile Gln
                     85
                                         90
282 Asp Gln Asn Phe Asp Gly Leu Ile Val Thr Gly Ala Pro Leu Gly Leu
               100
                                   105
288 Val Glu Phe Asn Asp Val Ala Tyr Trp Pro Gln Ile Lys Gln Val Leu
290 115
                              120
294 Glu Trp Ser Lys Asp His Val Thr Ser Thr Leu Phe Val Cys Trp Ala
296 130
                           135
                                                140
300 Val Gln Ala Ala Leu Asn Ile Leu Tyr Gly Ile Pro Lys Gln Thr Arg
                       150
                                            155 •
306 Thr Glu Lys Leu Ser Gly Val Tyr Glu His His Ile Leu His Pro His
                    165
                                        170
312 Ala Leu Leu Thr Arg Gly Phe Asp Asp Ser Phe Leu Ala Pro His Ser
               180
                                    185
318 Arg Tyr Ala Asp Phe Pro Ala Ala Leu Ile Arg Asp Tyr Thr Asp Leu
           195
                                200
324 Glu Ile Leu Ala Glu Thr Glu Glu Gly Asp Ala Tyr Leu Phe Ala Ser
                           215
                                                220
330 Lys Asp Lys Arg Ile Ala Phe Val Thr Gly His Pro Glu Tyr Asp Ala
                       230
                                           235
336 Gln Thr Leu Ala Gln Glu Phe Phe Arg Asp Val Glu Ala Gly Leu Asp
                    245
                                        250
342 Pro Asp Val Pro Tyr Asn Tyr Phe Pro His Asn Asp Pro Gln Asn Thr
            260
                                    265
348 Pro Arg Ala Ser Trp Arg Ser His Gly Asn Leu Leu Phe Thr Asn Trp
                                280
354 Leu Asn Tyr Tyr Val Tyr Gln Ile Thr Pro Tyr Asp Leu Arg His Met
        290
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360 Asn Pro Thr Leu Asp
362 305
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382
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               PATENT APPLICATION: US/10/530,844
                                                        TIME: 08:46:17
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DATE: 04/19/2005

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PATENT APPLICATION: US/10/530,844
                                                         TIME: 08:46:17
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550 ttaattaagc ggccgcactg cgatgagtgg cagggcgggg cg
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568 <223> 21ARR INFORMATION: Description of Artificial Sequence: Partial
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574 <400> SEQUENCE: 10
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608 <223> OTHER INCOMMATION: Description of Artificial Sequence / Partial Gene
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                 20
658 Gly Ala
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RAW SEQUENCE LISTING

See item#11 on error Summary Sheet RAW\_SEQUENCE\_LISTING\_ERROR\_SUMMARY\_

\_\_\_\_\_DUID.

DATE: 04/19/2005

PATENT APPLICATION: US/10/530,844

TIME: 08:46:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04192005\J530844.raw

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Seq#:1; Line(s) 146,148,150,152,154,156,158,160,162,164,166,168,170,172,174
Seq#:1; Line(s) 176,178,180,182,184,186,188,190,192,194,196,198,200,202,204
Seq#:1; Line(s) 206,208,210,212,214,216,218,220,222,224,226,228,230,232,234
Seq#:2; Line(s) 236,238,240,242,244,246,248,250,252,254,256,258,260,262,264
Seq#:2; Line(s) 266,268,270,272,274,276,278,280,282,284,286,288,290,292,294
Seq#:2; Line(s) 296,298,300,302,304,306,308,310,312,314,316,318,320,322,324
Seq#:2; Line(s) 326,328,330,332,334,336,338,340,342,344,346,348,350,352,354
Seq#:2; Line(s) 356,358,360,362,364,366,368
Seq#:3; Line(s) 370,372,374,376,378,380,382,384,386,388,390,392,394
Seq#:4; Line(s) 396,398,400,402,404,406,408,410,412,414,416,418,420
Seq#:5; Line(s) 422,424,426,428,430,432,434,436,438,440,442,444,446
Seq#:6; Line(s) 448,450,452,454,456,458,460,462,464,466,468,470,472
Seq#:7; Line(s) 474,476,478,480,482,484,486,488,490,492,494,496,498
Seq#:8; Line(s) 500,502,504,506,508,510,512,514,516,518,520,522,524,526
Seq#:9; Line(s) 528,530,532,534,536,538,540,542,544,546,548,550,552,554,556
Seq#:10; Line(s) 558,560,562,564,566,568,570,572,574,576,578,580,582,584
Seq#:10; Line(s) 586,588,590,592,594,596
Seq#:11; Line(s) 598,600,602,604,606,608,610,612,614,616,618,620,622,624
Seq#:11; Line(s) 626
Seq#:12; Line(s) 628,630,632,634,636,638,640,642,644,646,648,650,652,654
Seq#:12; Line(s) 656,658,660,662,664,666
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/530,844

DATE: 04/19/2005

TIME: 08:46:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04192005\J530844.raw

L:18 M:270 C: Current Application Number differs, Replaced Application Number

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:70 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:1

L:228 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1